

OCT 07 2003

U.S. PATENT & TRADEMARK OFFICE
JSC

FEE TRANSMITTAL for FY 2004

Effective 10/01/2003, Patent fees are subject to annual revision.

 Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$ 1,280.00)

 Use in lieu of PTO/SB/17 (08-03)
 (Form updated to reflect FY 2004 fees effective 10/1/03)
1M095
AF/1647
JP

| Complete if Known | |
|--------------------------|------------------------|
| Application Number | 09/246,129-Conf. #5810 |
| Filing Date | February 8, 1999 |
| First Named Inventor | Guo-Liang Yu |
| Examiner Name | D. Romeo |
| Art Unit | 1647 |
| Attorney Docket No. | PF141P4 |

METHOD OF PAYMENT (check all that apply)
 Check Credit Card Money Order Other None
 Deposit Account:

Deposit Account Number 08-3425

Deposit Account Name Human Genome Sciences, Inc.

The Director is authorized to: (check all that apply)

Charge fee(s) indicated below Credit any overpayments
 Charge any additional fee(s) during the pendency of this application
 Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

FEE CALCULATION**1. BASIC FILING FEE**

| Large Entity | Small Entity | Fee Description | Fee Paid |
|---------------------|--------------|-----------------|----------|
| Fee Code | Fee (\$) | Fee Code | Fee (\$) |
| 1001 | 770 | 2001 | 385 |
| 1002 | 340 | 2002 | 170 |
| 1003 | 530 | 2003 | 265 |
| 1004 | 770 | 2004 | 385 |
| 1005 | 160 | 2005 | 80 |
| SUBTOTAL (1) | | (\$) | 0.00 |

2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

| Total Claims | -** = | Extra Claims | Fee from below | Fee Paid |
|--------------------|-------|--------------|----------------|----------|
| Independent Claims | -** = | | | |
| Multiple Dependent | -** = | | | |

| Large Entity | Small Entity | Fee Description | | |
|---------------------|--------------|-----------------|------|--|
| Fee Code | Fee (\$) | Fee Code | | |
| 1202 | 18 | 2202 | 9 | Claims in excess of 20 |
| 1201 | 86 | 2201 | 43 | Independent claims in excess of 3 |
| 1203 | 290 | 2203 | 145 | Multiple dependent claim, if not paid |
| 1204 | 86 | 2204 | 43 | ** Reissue independent claims over original patent |
| 1205 | 18 | 2205 | 9 | ** Reissue claims in excess of 20 and over original patent |
| SUBTOTAL (2) | | (\$) | 0.00 | |

** or number previously paid, if greater; For Reissues, see above

| FEE CALCULATION (continued) | | | | |
|------------------------------------|--------------|----------|----------|--|
| 3. ADDITIONAL FEES | | | | |
| Large Entity | Small Entity | | | |
| Fee Code | Fee (\$) | Fee Code | Fee (\$) | Fee Description |
| 1051 | 130 | 2051 | 65 | Surcharge - late filing fee or oath |
| 1052 | 50 | 2052 | 25 | Surcharge - late provisional filing fee or cover sheet |
| 1053 | 130 | 1053 | 130 | Non-English specification |
| 1812 | 2,520 | 1812 | 2,520 | For filing a request for <i>ex parte</i> reexamination |
| 1804 | 920* | 1804 | 920* | Requesting publication of SIR prior to Examiner action |
| 1805 | 1,840* | 1805 | 1,840* | Requesting publication of SIR after Examiner action |
| 1251 | 110 | 2251 | 55 | Extension for reply within first month |
| 1252 | 420 | 2252 | 210 | Extension for reply within second month |
| 1253 | 950 | 2253 | 475 | Extension for reply within third month |
| 1254 | 1,480 | 2254 | 740 | Extension for reply within fourth month |
| 1255 | 2,010 | 2255 | 1,005 | Extension for reply within fifth month |
| 1401 | 330 | 2401 | 165 | Notice of Appeal |
| 1402 | 330 | 2402 | 165 | Filing a brief in support of an appeal |
| 1403 | 290 | 2403 | 145 | Request for oral hearing |
| 1451 | 1,510 | 1451 | 1,510 | Petition to institute a public use proceeding |
| 1452 | 110 | 2452 | 55 | Petition to revive - unavoidable |
| 1453 | 1,330 | 2453 | 665 | Petition to revive - unintentional |
| 1501 | 1,330 | 2501 | 665 | Utility issue fee (or reissue) |
| 1502 | 480 | 2502 | 240 | Design issue fee |
| 1503 | 640 | 2503 | 320 | Plant issue fee |
| 1460 | 130 | 1460 | 130 | Petitions to the Commissioner |
| 1807 | 50 | 1807 | 50 | Processing fee under 37 CFR 1.17(q) |
| 1806 | 180 | 1806 | 180 | Submission of Information Disclosure Stmt |
| 8021 | 40 | 8021 | 40 | Recording each patent assignment per property (times number of properties) |
| 1809 | 770 | 2809 | 385 | Filing a submission after final rejection (37 CFR 1.129(a)) |
| 1810 | 770 | 2810 | 385 | For each additional invention to be examined (37 CFR 1.129(b)) |
| 1801 | 770 | 2801 | 385 | Request for Continued Examination (RCE) |
| 1802 | 900 | 1802 | 900 | Request for expedited examination of a design application |
| Other fee (specify) | | | | |
| *Reduced by Basic Filing Fee Paid | | | | |
| SUBTOTAL (3) | | | | |
| (\$) | | | | |
| 1,280.00 | | | | |

| SUBMITTED BY | | (Complete if applicable) | |
|-------------------|---------------------|--------------------------------------|---------------------------------|
| Name (Print/Type) | Lin J. Hymel | Registration No. (Attorney/Agent) | 45,414 Telephone (301) 251-6015 |
| Signature | <i>Lin J. Hymel</i> | Date | October 7, 2003 |